

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/594,295  
Source: IFWP  
Date Processed by STIC: 10/6/06

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IFWP

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006

TIME: 11:09:19

Input Set : A:\50318.014001.txt  
 Output Set: N:\CRF4\10062006\J594295.raw

```

3 <110> APPLICANT: SCHOFIELD, Christopher Joseph
4      HEWITSON, Kirsty Sarah
5      MCDONOUGH, Michael Arnold
6      RATCLIFFE, Peter John
7      MASSON, Norma
8      COCKMAN, Matthew Edward
10 <120> TITLE OF INVENTION: Assays
12 <130> FILE REFERENCE: 50318/014001
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/594,295
C--> 14 <141> CURRENT FILING DATE: 2006-09-27
14 <150> PRIOR APPLICATION NUMBER: PCT/GB2005/001150
15 <151> PRIOR FILING DATE: 2005-03-24
17 <150> PRIOR APPLICATION NUMBER: GB 0425760.6
18 <151> PRIOR FILING DATE: 2004-11-23
20 <150> PRIOR APPLICATION NUMBER: GB 0406914.2
21 <151> PRIOR FILING DATE: 2004-03-26
23 <160> NUMBER OF SEQ ID NOS: 23
25 <170> SOFTWARE: PatentIn version 3.3
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 21
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
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38 Ala Gln Glu Pro Cys
39          20
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44 <212> TYPE: PRT
45 <213> ORGANISM: Homo sapiens
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50 1          5           10          15
53 Ala Gln Glu Gln Lys
54          20
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58 <211> LENGTH: 21
59 <212> TYPE: PRT
60 <213> ORGANISM: Homo sapiens
62 <400> SEQUENCE: 3
64 Asn Ala Leu Val Thr Lys Leu Leu Asp Cys Gly Ala Glu Val Asn
65 1          5           10          15

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69          20
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73 <211> LENGTH: 11
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 4
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80 1      5          10
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84 <211> LENGTH: 4
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
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91 1
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95 <211> LENGTH: 31
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 6
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103 <210> SEQ ID NO: 7
104 <211> LENGTH: 31
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 7
109 gcggccacca gcagcttcaa acatggcagg c           31
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113 <211> LENGTH: 32
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 8
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122 <211> LENGTH: 32
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 9
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131 <211> LENGTH: 349
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 10
137 Met Ala Ala Thr Ala Ala Glu Ala Val Ala Ser Gly Ser Gly Glu Pro
138 1      5          10          15
141 Arg Glu Glu Ala Gly Ala Leu Gly Pro Ala Trp Asp Glu Ser Gln Leu
142          20         25          30

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**Output Set: N:\CRF4\10062006\J594295.raw**

145 Arg Ser Tyr Ser Phe Pro Thr Arg Pro Ile Pro Arg Leu Ser Gln Ser  
 146 35 40 45  
 149 Asp Pro Arg Ala Glu Glu Leu Ile Glu Asn Glu Glu Pro Val Val Leu  
 150 50 55 60  
 153 Thr Asp Thr Asn Leu Val Tyr Pro Ala Leu Lys Trp Asp Leu Glu Tyr  
 154 65 70 75 80  
 157 Leu Gln Glu Asn Ile Gly Asn Gly Asp Phe Ser Val Tyr Ser Ala Ser  
 158 85 90 95  
 161 Thr His Lys Phe Leu Tyr Tyr Asp Glu Lys Lys Met Ala Asn Phe Gln  
 162 100 105 110  
 165 Asn Phe Lys Pro Arg Ser Asn Arg Glu Glu Met Lys Phe His Glu Phe  
 166 115 120 125  
 169 Val Glu Lys Leu Gln Asp Ile Gln Gln Arg Gly Gly Glu Glu Arg Leu  
 170 130 135 140  
 173 Tyr Leu Gln Gln Thr Leu Asn Asp Thr Val Gly Arg Lys Ile Val Met  
 174 145 150 155 160  
 177 Asp Phe Leu Gly Phe Asn Trp Asn Trp Ile Asn Lys Gln Gln Gly Lys  
 178 165 170 175  
 181 Arg Gly Trp Gly Gln Leu Thr Ser Asn Leu Leu Leu Ile Gly Met Glu  
 182 180 185 190  
 185 Gly Asn Val Thr Pro Ala His Tyr Asp Glu Gln Gln Asn Phe Phe Ala  
 186 195 200 205  
 189 Gln Ile Lys Gly Tyr Lys Arg Cys Ile Leu Phe Pro Pro Asp Gln Phe  
 190 210 215 220  
 193 Glu Cys Leu Tyr Pro Tyr Pro Val His His Pro Cys Asp Arg Gln Ser  
 194 225 230 235 240  
 197 Gln Val Asp Phe Asp Asn Pro Asp Tyr Glu Arg Phe Pro Asn Phe Gln  
 198 245 250 255  
 201 Asn Val Val Gly Tyr Glu Thr Val Val Gly Pro Gly Asp Val Leu Tyr  
 202 260 265 270  
 205 Ile Pro Met Tyr Trp Trp His His Ile Glu Ser Leu Leu Asn Gly Gly  
 206 275 280 285  
 209 Ile Thr Ile Thr Val Asn Phe Trp Tyr Lys Gly Ala Pro Thr Pro Lys  
 210 290 295 300  
 213 Arg Ile Glu Tyr Pro Leu Lys Ala His Gln Lys Val Ala Ile Met Arg  
 214 305 310 315 320  
 217 Asn Ile Glu Lys Met Leu Gly Glu Ala Leu Gly Asn Pro Gln Glu Val  
 218 325 330 335  
 221 Gly Pro Leu Leu Asn Thr Met Ile Lys Gly Arg Tyr Asn  
 222 340 345  
 225 <210> SEQ ID NO: 11  
 226 <211> LENGTH: 19  
 227 <212> TYPE: PRT  
 228 <213> ORGANISM: Homo sapiens  
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 233 1 5 10 15  
 236 Ala Pro Ile  
 240 <210> SEQ ID NO: 12

## RAW SEQUENCE LISTING

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Input Set : A:\50318.014001.txt  
Output Set: N:\CRF4\10062006\J594295.raw

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243 <213> ORGANISM: Homo sapiens  
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248 1 5 10 15  
251 Ala Gln Met Tyr  
252 20  
255 <210> SEQ ID NO: 13  
256 <211> LENGTH: 20  
257 <212> TYPE: PRT  
258 <213> ORGANISM: Homo sapiens  
260 <400> SEQUENCE: 13  
262 Phe Leu Asp Thr Leu Lys Val Leu Val Glu His Gly Ala Asp Val Asn  
263 1 5 10 15  
266 Val Pro Asp Gly  
267 20  
270 <210> SEQ ID NO: 14  
271 <211> LENGTH: 20  
272 <212> TYPE: PRT  
273 <213> ORGANISM: Homo sapiens  
275 <400> SEQUENCE: 14  
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278 1 5 10 15  
281 Ala Lys Asp Met  
282 20  
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286 <211> LENGTH: 20  
287 <212> TYPE: PRT  
288 <213> ORGANISM: Homo sapiens  
290 <400> SEQUENCE: 15  
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293 1 5 10 15  
296 Ala Gln Asp Lys  
297 20  
300 <210> SEQ ID NO: 16  
301 <211> LENGTH: 20  
302 <212> TYPE: PRT  
303 <213> ORGANISM: Homo sapiens  
305 <400> SEQUENCE: 16  
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308 1 5 10 15  
311 Ala Cys Asp Asn  
312 20  
315 <210> SEQ ID NO: 17  
316 <211> LENGTH: 20  
317 <212> TYPE: PRT  
318 <213> ORGANISM: Homo sapiens  
320 <400> SEQUENCE: 17

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/594,295

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Input Set : A:\50318.014001.txt  
Output Set: N:\CRF4\10062006\J594295.raw

322 Arg Asp Glu Ile Val Lys Ala Leu Leu Gly Lys Gly Ala Gln Val Asn  
323 1 5 10 15  
326 Ala Val Asn Gln  
327 20  
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331 <211> LENGTH: 20  
332 <212> TYPE: PRT  
333 <213> ORGANISM: Homo sapiens  
335 <400> SEQUENCE: 18  
337 Gln Leu Glu Ile Leu Glu Phe Leu Leu Lys Gly Ala Asp Ile Asn  
338 1 5 10 15  
341 Ala Pro Asp Lys  
342 20  
345 <210> SEQ ID NO: 19  
346 <211> LENGTH: 20  
347 <212> TYPE: PRT  
348 <213> ORGANISM: Homo sapiens  
350 <400> SEQUENCE: 19  
352 Tyr Thr Glu Val Leu Lys Leu Leu Ile Gln Ala Gly Tyr Asp Val Asn  
353 1 5 10 15  
356 Ile Lys Asp Tyr  
357 20  
360 <210> SEQ ID NO: 20  
361 <211> LENGTH: 20  
362 <212> TYPE: PRT  
363 <213> ORGANISM: Homo sapiens  
365 <400> SEQUENCE: 20  
367 Asn Thr Arg Val Ala Ser Phe Leu Leu Gln His Asp Ala Asp Ile Asn  
368 1 5 10 15  
371 Ala Gln Thr Lys  
372 20  
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376 <211> LENGTH: 4  
377 <212> TYPE: PRT  
378 <213> ORGANISM: Homo sapiens  
381 <220> FEATURE:  
382 <221> NAME/KEY: MISC\_FEATURE  
383 <222> LOCATION: (1)..(1)  
384 <223> OTHER INFORMATION: Xaa = Asp, Glu, Asn or Gln  
386 <220> FEATURE:  
387 <221> NAME/KEY: MISC\_FEATURE  
388 <222> LOCATION: (2)..(2)  
389 <223> OTHER INFORMATION: Xaa = Val, Ile or Leu  
391 <220> FEATURE:  
392 <221> NAME/KEY: MISC\_FEATURE  
393 <222> LOCATION: (4)..(4)  
394 <223> OTHER INFORMATION: Xaa = Ala, Val or Ile  
396 <400> SEQUENCE: 21  
W--> 398 Xaa Xaa Asn Xaa

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 10/06/2006  
PATENT APPLICATION: US/10/594,295                   TIME: 11:09:20

Input Set : A:\50318.014001.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; Xaa Pos. 1/2,4

**VERIFICATION SUMMARY**

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Input Set : A:\50318.014001.txt

Output Set: N:\CRF4\10062006\J594295.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0